Form PTO-1449
U.S. Patent and Trademark Office
INFORMATION DISCLOSURE
STATEMENTAtty. Docket No.
GNVPN.019BUSAAppln. No.
09/242,977

Applicant: James M. Wilson et al

Filing Date: 2/26/99

Group Art Unit: 1632

U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
SDM	AA	5,139,941	8/18/92	Muzycka et al	435	172.3
	AB	5,173,414	12/22/92	Lebkowski et al	435	172.3
	AC	5,478,745	12/26/95	Samulski et al	435	320.1
	AD	5,753,500	5/19/98	Shenk et al	435	320.1

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation	
SDM	AL	WO96/00587	1/11/96	PCT	Yes	No
	AM	WO95/34670 ✓	12/21/95	PCT		
	AN	WO95/33824	12/14/95	PCT		
	AO	WO95/28493	10/26/95	PCT		

Other Documents (including Author, Title, Date, Pertinent Pages, Etc.)

SDM	AR	D. Covert et al, "Gene Therapy for Muscle Diseases", Current Opinion in Neurology, 7:463-470 (1994)
	AS	R. Herzog et al, "Stable Gene Transfer and Expression of Human Blood Coagulation Factor IX After Intramuscular Injection of Recombinant Adeno-Associated Virus", Proc. Natl. Acad. Sci. USA, 94:5804-5809 (May, 1997) ✓
	AT	K. Fisher et al, "Recombinant Adeno-Associated Virus for Muscle Directed Gene Therapy", Nature Medicine, 3(3):306-312 (March, 1997) ✓
	AU	P. Kessler et al, "Gene Delivery to Skeletal Muscle Results in Sustained Expression and Systemic Delivery of a Therapeutic Protein", Proc. Natl. Acad. Sci. USA, 93:14082-14087 (November, 1996) ✓
	AV	D. Russell et al, "Adeno-Associated Virus Vectors Preferentially Transduce Cells in S Phase", Proc. Natl. Acad. Sci. USA, 91:8915-8919 (September, 1994)
Examiner	Date Considered 6/19/00	

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO-1449 U.S. Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT	Atty. Docket No. GNVPN.019BUSA	Appln. No. 09/242,977
	Applicant: James M. Wilson et al	
	Filing Date: 2/26/99	Group Art Unit:

U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
	AE	5,252,479	10/12/93	Srivastava	435	235.1
	AF	5,354,678	10/11/94	Lebkowski	435	172.3
	AG	5,436,146	7/25/95	Shenk	435	172.3
	AH	5,474,935	12/12/95	Chatterjee	435	320.1

FOREIGN PATENT DOCUMENTS

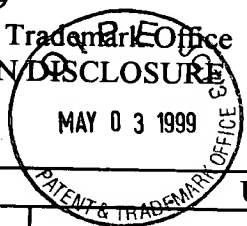
Examiner Initial		Document No.	Date	Country	Translation Yes	No
	AP	WO95/23867	9/8/95	PCT		
	AQ	WO95/20671	8/3/95	PCT		
	AAL	WO95/14771	6/1/95	PCT		
	AAM	WO95/13392	5/18/95	PCT		

Other Documents (including Author, Title, Date, Pertinent Pages, Etc.)

	AW	J. Wolff et al, "Direct Gene Transfer into Mouse Muscle in Vivo", Science, 247:1465-1468 (March 23, 1990)
	AX	H. Blau et al, "Localization of Muscle Gene Products in Nuclear Domains: Does this Constitute a Problem for Myoblast Therapy?", Adv. Exp. Med. Biol., 280:167-172 (1990)
	AY	N. Muzyczka, "Use of Adeno-Associated Virus as a General Transduction Vector for Mammalian Cells", Curr. Topics Microbiol. Immunol., 158:97-129 (1992)
	AZ	R. Samulski et al, "Targeted Integration of Adeno-Associated Virus (AAV) into Human Chromosome 19", EMBO J., 10(12):3941-3950 (1991)
	AAR	R. Kotin, "Prospects for the Use of Adeno-Associated Virus as a Vector for Human Gene Therapy", Human Gene Therapy, 5:793-801 (1994) [Kotin I]
Examiner	RCS Date Considered 11/19/01	

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT	Atty. Docket No. GNVPN.019BUSA	Appln. No. 09/242,977
	Applicant: James M. Wilson et al	
	Filing Date: 2/26/99	Group Art Unit: 1632
	U.S. PATENT DOCUMENTS	



Examiner Initial		Document No.	Date	Name	Class	Subclass
DM	AI	5,858,351	1/12/99	Podsakoff	424	93.2

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation Yes No
DM	AAN	WO95/07995	3/23/95	PCT	
	AAO	WO95/06743	3/9/95	PCT	
	AAP	WO94/20517	9/15/94	PCT	
	AAQ	WO93/24641	12/9/93	PCT	

Other Documents (including Author, Title, Date, Pertinent Pages, Etc.)

DM	AAS	R. Kotin et al, "Site-Specific Integration by Adeno-Associated Virus", Proc. Natl. Acad. Sci. USA, 87:2211-2215 (March, 1990) [Kotin II]
	AAT	K. Fisher et al, "Transduction with Recombinant Adeno-Associated Virus for Gene Therapy is Limited by Leading-Strand Synthesis", J. Virol., 70(1):520-532 (January, 1996)
	AAU	C. Hodgson, "Advances in Vector Systems for Gene Therapy", Exp. Opin. Ther. Patents, 5(5):459-468 (1995)
	AAV	R. Samulski et al, "Helper-Free Stocks of Recombinant Adeno-Associated Viruses: Normal Integration Does not Require Viral Gene Expression", J. Virol., 63(9):3822-3828 (September, 1989)
	AAW	M. Weitzman et al, "Recruitment of Wild-Type and Recombinant Adeno-Associated Virus into Adenovirus Replication Centers", J. Virol., 70(3):1845-1854 (March, 1996)
Examiner	Date Considered 6/19/00	

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT MAY 03 1999	Atty. Docket No. GNVPN.019BUSA	Appln. No. 09/242,977
	Applicant: James M. Wilson et al	
	Filing Date: 2/26/99	Group Art Unit: 1632

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Subclass

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Country	Translation Yes No
JDM	BL WO91/18088	11/28/91	PCT	
	BM WO96/18727	6/20/96	PCT	
	BN WO96/12010	4/25/96	PCT	
	BO WO96/17947	6/13/96	PCT	

Other Documents (including Author, Title, Date, Pertinent Pages, Etc.)

JDM	AAX	S. Goodman et al, "Recombinant Adeno-Associated Virus-Mediated Gene Transfer into Hematopoietic Progenitor Cells", Blood, 84(5):1492-1500 (September, 1994)
	AAY	B. Yakobson et al, "Replication of Adeno-Associated Virus in Synchronized Cells without the Addition of a Helper Virus", J. Virol., 61(4):972-981 (April, 1987)
	AAZ	E. Kremer et al, "Adenovirus and Adeno-Associated Virus Mediated Gene Transfer", British Medical Bulletin, 51(1):31-44 (1995)
	BR	E. Raz et al, "Systemic Immunological Effects of Cytokine Genes Injected into Skeletal Muscle", Proc. Natl. Acad. Sci. USA, 90:4523-4527 (May, 1993)
	BS	K. Culver et al, "Gene Therapy for Cancer", TIG, 10(5):174-178 (May, 1994)
Examiner	Date Considered 6/19/00	

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT MAY 03 1999 PATENT & TRADEMARK OFFICE	Atty. Docket No.	Appln. No.
	GNVPN.019BUSA	09/242,977
	Applicant: James M. Wilson et al	
	Filing Date: 2/26/99	Group Art Unit: 1632

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Subclass

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Country	Translation Yes No
JDM	BP WO97/26337	8/24/97	PCT	
J	BQ WO96/40272	12/19/96	PCT	
J	BBL WO97/26336	7/24/97	PCT	
J	BBM WO94/13788	6/23/94	PCT	

Other Documents (including Author, Title, Date, Pertinent Pages, Etc.)

JDM	BT	C. Hodgson, "Patent Update, Biologicals & Immunologicals, Advances in Vector Systems for Gene Therapy", Exp. Opin. Ther. Patents, 5(5):459-468 (1995)
J	BU	N. Miller et al, "Targeted Vectors for Gene Therapy", FASEB J., 9:190-199 (February, 1995)
J	BV	E. Marshall, "Gene Therapy's Growing Pains", Science, 269:1050-1055 (August 25, 1995)
J	BW	M. Kaplitt et al, "Long-Term Gene Expression and Phenotypic Correction Using Adeno-Associated Virus Vectors in the Mammalian Brain", Nature Genetics, 8:148-154 (October, 1994)
J	BX	K. March et al, "The Adeno-Associated Virus as a Gene Transfer Vector for Human and Non-Human Vascular Smooth Muscle Cells", Clinical Research, 40(2):358A (1992)
Examiner	Date Considered 6/19/00	

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT MAY 03 1999 PATENT & TRADEMARK OFFICE	Atty. Docket No. GNV PN.019BUSA	Appln. No. 09/242,977
	Applicant: James M. Wilson et al	
	Filing Date: 2/26/99	Group Art Unit: 1632

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Subclass

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Country	Translation Yes	No
SDM	BBN WO97/12050	4/3/97	PCT		
SDM	BBO 27902/92	4/27/93	Australia		

Other Documents (including Author, Title, Date, Pertinent Pages, Etc.)

SDM	BY	X. Xiao et al, "Efficient Long-Term Gene Transfer into Muscle Tissue of Immunocompetent Mice by Adeno-Associated Virus Vector", J. Virol., 70(11):8098-8108 (November, 1996)
	BZ	X. Xiao et al, "Adeno-Associated Virus (AAV) Vectors for Gene Transfer", Advanced Drug Delivery Reviews, 12:201-215 (1993)
	BBR	S. Orkin et al, "Report and Recommendations of the Panel to Assess the NIH Investment in Research on Gene Therapy", NIH Press, pp. 1-40 (December 7, 1995)
	BBS	A. Lafont et al, "Which Gene for Which Restenosis?", The Lancet, 346:1442-1443 (December 2, 1995)
	BBT	R. Bartlett et al, "A Plasmid Expression Vector Based on the Adeno-Associated Virus (AAV) Containing Muscle-Specific Transcription Elements for Expression of Therapeutic Proteins", Amer. J. Human Genet., 57(Suppl. 4):A235 (October, 1995) (Abstract #1362)
	BBU	M. Einerhand et al, "Regulated High-Level Human β -globin Gene Expression in Erythroid Cells Following Recombinant Adeno-Associated Virus-Mediated Gene Transfer", Gene Therapy, 2(5):336-343 (July, 1995)
Examiner	Date Considered	

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT	Atty. Docket No. GNVPN.019BUSA	Appln. No. 09/242,977
	Applicant: James M. Wilson et al.	
	Filing Date: 2/26/99	Group Art Unit: 1632

U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
JDM	AAB	5,693,531	12/2/97	Chiorini	435	325

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation Yes No

Other Documents (including Author, Title, Date, Pertinent Pages, Etc.)

Examiner	<i>W. Mart</i>	Date Considered <i>6/19/00</i>

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

COPIED 0-1-1000
RECEIVED 0-1-1000

Form PTO-1449 U.S. Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT	Atty. Docket No. GNVPN.019BUSA	Appln. No. 09/242,977
	Applicant: James M. Wilson et al	
	Filing Date: 2/26/99	Group Art Unit: 1632

U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
JDM	AJ	5,789,390	8/4/98	V. Descamps	514	44
J	AK	5,116,739	5/26/92	Y. Teranishi	435	69.6
J	AAA	5,672,685	9/30/97	W. Matthew	530	359

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation Yes	No
JDM	BBP	WO96/14837	5/23/96	PCT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Other Documents (including Author, Title, Date, Pertinent Pages, Etc.)

Examiner	<i>[Signature]</i>	Date Considered 6/19/00

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.